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GROUP 3600

## UNITED STATES PATENT AND TRADEMARK OFFICE

Appellant: Kyrtos  
Serial No.: 09/628,396  
Filed: August 1, 2000  
Group Art Unit: 3634  
Examiner: J. Redman  
Title: OBJECT DETECTION BY SIGNAL FIELD MAPPING

Box AF  
Assistant Commissioner of Patents  
Washington, D.C. 20231

Official  
FicialREPLY BRIEF

Dear Sir:

The Examiner's answer mailed 04/09/2002 raises several new arguments. These are addressed below. Appellant appreciates that the 35 U.S.C. 112 rejection has now been dropped.

**ARGUMENTS WITH REGARD TO "GRAPHICAL SHAPE"**

The Examiner continuously argues that *Zhang* discloses a signal having "a graphical shape".

Answer

Noted.  
6/12/02  
The Examiner admits that *Zhang* only looks for an obstruction. See *Examiner's Answer* page 4. The Examiner thereafter suggests that because *Zhang* looks for an obstruction a second graphical shape is defined. At best this is on/off detection. That is, *Zhang* only identifies that the signal changed (increased in reflectivity) which cannot be fairly construed as constructing a map signature as recited in the claims of the present application. See *Zhang* Col. 10, 31-35.

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Appellant refers to *Zhang's* overriding concern for reflection from clouds, the sun and other sources as support for the fact that *Zhang* only identifies that the reflected signal increased. The reflection from clouds, the sun and other sources will therefore affect such detection. See *Zhang Figs. 34, 36, 48, 58, 59, 60 and 61*. Mapping according to the present application is unaffected by such false reflections.

**CLOSING**

For the reasons set forth above, the rejection of all claims is improper and should be reversed. Appellant earnestly requests such an action.

Respectfully submitted,

~~CARLSON GASKEY & OLDS, P.C.~~

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Dated: June 5, 2002

**CERTIFICATE OF FACSIMILE**

I hereby certify that this correspondence is being facsimile transmitted to the United States Patent and Trademark Office, TC3600, After Final, 703-872-9327 on June 5, 2002.

*Raimi Blackerby*  
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